



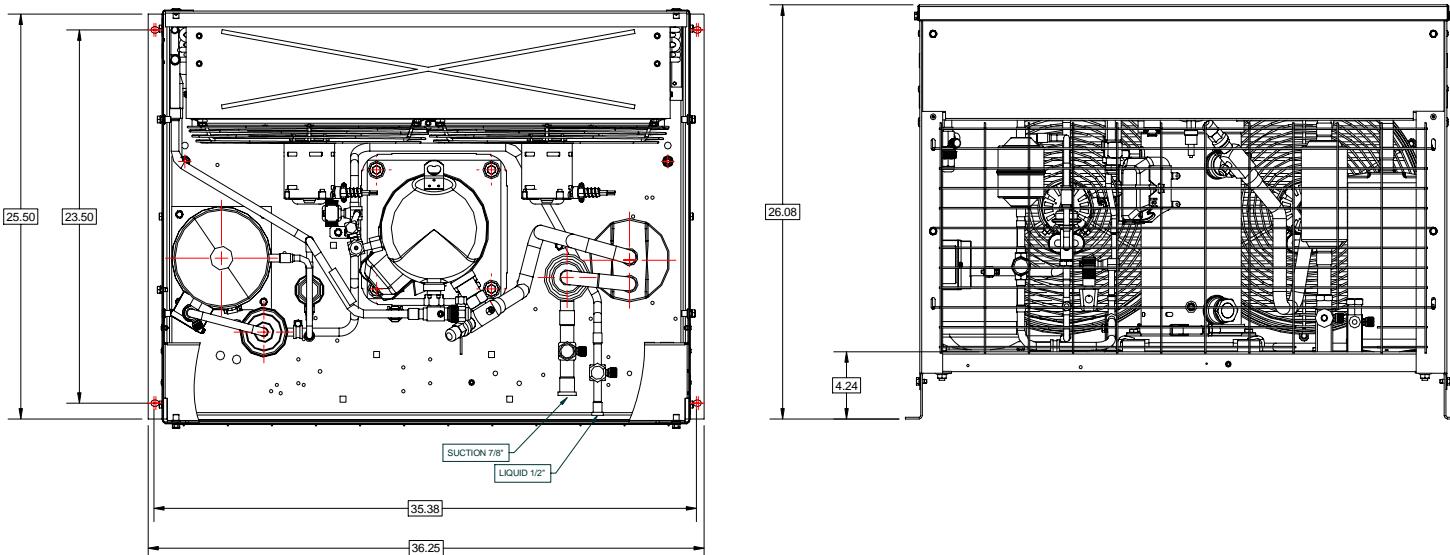
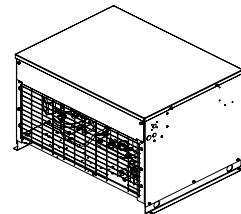
TECUMSEH HERMETIC CONDENSING UNIT

VSAG511ZXTHN
TPC preliminary
October 14, 2011

Model VSAG511ZXTHN
BOM 32L2642-2E

Air Cooled 2 3/4 HP

Application Low Temp
Refrigerant R404A



VSAG511ZXTHN	Dim. Enclosure(inch)*			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs.
	26.43	36.25	26.08	7/8 Sweat	1/2 Sweat	20.44	1525	55	330

*) Enclosure Mounting Holes, 23.5 x 35.38

Factory charge 20 psig dry air, **MUST BE EVACUATED**

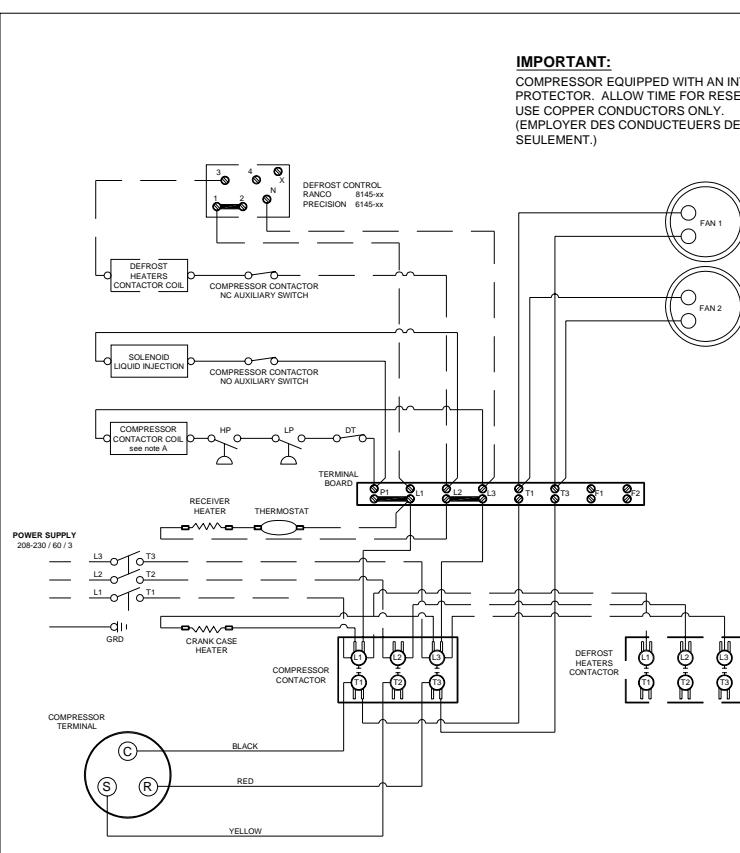
Evaporator	Ambient Temperatures																
	85°F				95°F				100°F				110°F				
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-40	5.5	4700	2060	213	93	4600	2220	246	103	4600	2300	264	108	4200	2490	301	118
-35	8.0	5600	2140	217	94	5300	2300	250	104	5300	2380	267	109	4800	2570	304	118
-30	10.7	6400	2220	221	95	6100	2370	254	105	6000	2460	271	110	5400	2650	308	119
-25	14.0	7400	2290	225	97	6900	2450	257	106	6700	2540	274	111	6100	2730	311	120
-20	17.1	8400	2360	229	98	7800	2530	261	107	7600	2620	278	112	6800	2810	315	121
-15	19.3	9400	2440	233	99	8700	2610	266	108	8500	2700	282	113	7600	2890	319	122
-10	24.5	10500	2520	238	101	9700	2690	270	110	9400	2780	287	114	8500	2970	323	123
-5	28.8	11700	2600	243	102	10800	2770	275	111	10500	2860	292	115	9500	3060	328	124
0	33.5	12900	2680	248	104	11900	2860	281	112	11500	2950	298	117	10500	3160	334	125
5	36.5	14200	2770	254	105	13100	2960	287	114	12700	3050	304	118	11600	3260	340	127
10	43.7	15500	2870	261	107	14400	3060	294	116	13900	3160	311	120	12700	3360	347	128

Performance @ 60 Hz, Return gas 40°F, SubCooling 5°F

PRELIMINARY PERFORMANCE DATA

Parts/Specifications

STANDARD				OPTIONAL	
Unit BOM	32L2642-2E	Fan Motor	810F050C20	Adjustable Fan Ctrl (A)	LAFC-001
Unit MODEL	VSAG511ZXTHN	Fan Motor Qty	2	Defrost Timer (Tn)	LTCG-T2
Refrigeration RANGE	-40°F to 10°F	Fan Motor RLA	0.7	Receiver Heater (R)	LHR-222
Design Pressure Low	181	Fan Blade	51568-1	Solenoid Valve (S)	KSVC-285
Design Pressure High	450	Fan Guard	70831	Disconnect (D)	KDSG-301
Volts - HZ - Ph	200-230V 3~ 60HZ	Shroud	70648-2		
Voltage Range	180 - 253	High Pressure switch	84095-2L		
Min. Circuit Ampacity	14.11	Low Pressure Control	84026-2		
Max. Fuse Size	25	Dual Pressure Conrol			
Compressor MODEL	VSAG494ZXT	Condenser	50858		
Compressor BOM	VS121RT-008-A4	Head Master Valve	70083		
Compressor LRA	80	Check Valve	56626		
Compressor RLA	10.00	Process Valve			
OverLoad	INTERNAL	Liquid Valve			
Relay		Suction Valve	31529-2		
Run Capacitor		Receiver	51099-2L		
Run Capacitor Rating		Receiver Qty	1		
Start Capacitor		Accumulator	TK00042000		
Start Capacitor Rating		Liquid Filter	52000-084D		
Contactor	91014B	Sight Glass	70084-2		
Unit Drawing	DGU1950-L301	Suction Filter	70822-5S		
Wiring no Fan controls	WD23-2XT2L	CrankCase Heater	14947869		



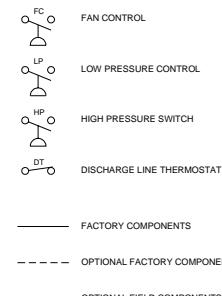
NOTES

FIELD WIRING NOTES

1. ALL FIELD WIRING MUST BE DONE IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES.
2. CONNECT INCORPORATING POWER LEADS FROM POWER SUPPLY TO L1, L2, AND L3 IN COMPRESSOR CONTACTOR OR TO L1, L2 AND L3 IN DISCONNECT SWITCH (IF PROVIDED), USE COOPER CONDUCTORS ONLY. (EMPLOY DES CONDUCTEURS DE CUIVRE SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
3. DEFROST HEATERS LOADS SHOULD NOT BE HIGHER THAN THE MAXIMUM HEATERS LOAD INDICATED ON THE UNIT LABEL. DEFROST HEATERS TO BE CONTROLLED WITH A CONTACTOR AS SHOWN ON THE DIAGRAM.

GENERAL NOTES:

- A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V SOURCE IN PANEL AS SHOWN
- B. COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.



CONDENSING UNIT WIRING, 230V 60Hz 3 Ph,
Liquid Injection Solenoid,
Fan control,
T1 & T2 defrost options

REL	MAR 11, 2011
REVISION	WD23-2XT2L